

ABSTRACT

The invention relates to a technique removing a dark voltage noise signal occurring at the time of light shielding of a photoelectric conversion device, simplifying the system configuration such that the cost and occupying area is reduced, and suppressing variation among a plurality of buffer amplifiers. In order to obtain such a photoelectric conversion device, a photoelectric conversion element 1 includes: a first accumulating unit 6 that accumulates an output signal outcoming from the photoelectric conversion element during a first period; a second accumulating unit 7 that accumulates an output signal outcoming from the photoelectric conversion element during a second period different from the first period; first and second switch units 4 and 5 used for selectively introducing the output signal from the photoelectric conversion element 1 to the first or second accumulating unit; and an output unit that outputs output signals from the first and second accumulating units 6 and 7 by inversing the polarity of the first accumulating unit 6.